

DESCRIPTION**METHOD FOR PRODUCING BACTERICIDAL PYRIDINE COMPOUND AND
BACTERICIDAL PYRIDINE COMPOUND**

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This application is a 371 of PCT/JP04/16540 04.

Technical Field

[0001] This invention relates to novel pyridi
having microbicidal activities and a process for their
industrial production.

Background Art

[0002] Bis-quaternary ammonium compounds which exhibit
antimicrobial activities against bacteria, fungi and the
like are known for many years, and are still used widely
as antimicrobial agents at present. The currently-employed,
antimicrobial bis-quaternary ammonium compounds are
generally excellent in antimicrobial activities, but at the
same time, biodegradation products of these compounds have
high residual toxicity. Concerning the actual use of these
compounds, they involve problems in the safety to the
environment and the solubility and safety to water so that
a limitation is imposed on the applicable range thereof.
Further, the conventional bis-quaternary ammonium
compounds are also accompanied by drawbacks in that their
antimicrobial power is competed with saccharides, proteins,
lipids and the like; their antimicrobial power is lowered